

511,044
10/511044

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
23 October 2003 (23.10.2003)

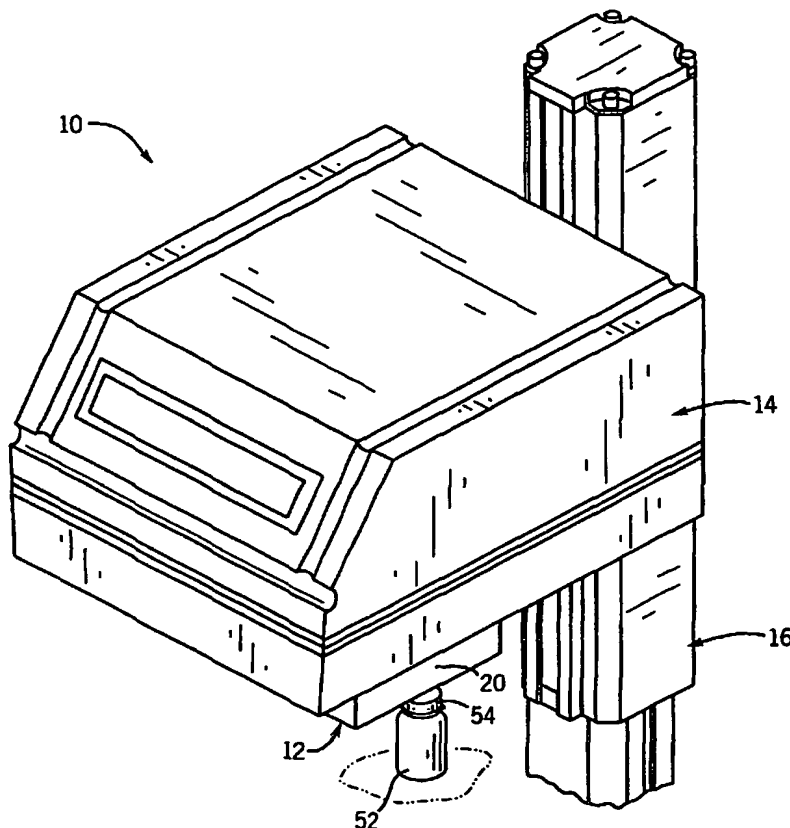
PCT

(10) International Publication Number
WO 03/088717 A1

- (51) International Patent Classification⁷: H05B 6/14, 6/42
(21) International Application Number: PCT/US03/11077
(22) International Filing Date: 11 April 2003 (11.04.2003)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data: 60/372,496 12 April 2002 (12.04.2002) US
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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

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(54) Title: U-FLOW VENTILATED SEALING HEAD



(57) Abstract: An inductive cap sealer (10) for sealing an inner seal over an opening (54) in container (52) includes a vented sealing head (12). The sealing head (12) contains an induction coil (24) for producing an electromagnetic field when energized by a power supply. Field focusing elements (26) contain the coil (24) and direct the electromagnetic field to a sealing region beneath the sealing head (12). The housing (20) has a central inlet vent (40) flanked by two outlet vents (42, 44) aligned with a vent plate (46) inside the housing (20) having a plurality of small openings (48) which allow a fan (18) to blow cooling air through the sealing head (12) in a generally U-shaped flow pattern, preferably from the side opposite the sealing region. The field focusing elements (26) are spaced to allow the cooling air to flow around the field focusing elements (26) and past the coil (24).

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SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

— *with international search report*